

TABLE

E 20

GRAPHICAL High
COMPARISON OF 16,0
FUELS 76
Low 8,93
1

Coal tar, by-product oven.
B.t.u. per pound = 16,042
Calor
ies per kg = 8,913
Specific gravity = 1.165 =
9.7 lb per gallon.

MECHANICAL
L
ATOMIZING

Composition by Weight	Products of Combustion							
	Cubic Meters per Kg				Cubic Feet per Pound			
	Air Supply in Percentage of Theoretical Requirements							
	100%	120%	140%	180%	100%	120%	140%	180%
H ₂								
6.00								
C								
86.82	0.00	0.78	1.57	3.13	0.00	12.54	25.07	50.14
S	3.26	3.26	3.26	3.26	52.14	52.14	52.14	52.14
H ₂ O	1.42	1.42	1.42	1.42	22.76	22.76	22.76	22.76
3.10	15.66	18.79	21.92	28.18	250.78	300.95	351.10	431.30
N ₂								
0.12	20.34	24.25	28.17	35.99	325.68	388.95	451.07	556.34
Ash	19.57	23.48	27.39	35.22	313.43	379.39	438.80	544.08
0.10								
Total 100.00	1.337			1.317				
Air supply								
Weight: kg per m ³ lb per cu ft	PC	Preent age	Basis (Weight)	t	PC 0.00 17.20	Percenta ge 3.43 14.25	Basis (Dr 5.86 12.76	0.082 2 ti 0.06
O ₂	0.00	3.23	5.56	8.70				
CO*	15.98	13.42	11.55	9.04				
H ₂ O	6.99	5.86	5.05	3.95				
	77.03	77.49	77.84	78.31	82.80	82.32	81.38	81.53